

INCORPORATION OF SEQUENCE LISTING

This application contains a sequence listing, which is contained on three identical CD-ROMs: two copies of a sequence listing (COPY 1 AND COPY 2 REPLACEMENT COPIES) and a Replacement sequence listing in Computer Readable Form of the sequence listing (CRF), all of which are herein incorporated by reference.

All three CD-ROMS each contain one file named "pa_00346.rpt" which is 58,100,755 – bytes in size and was created on May 19, 2003.

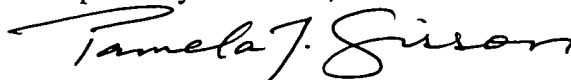
Remarks

In response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (copy enclosed) dated April 11, 2003, Applicants respectfully submit a Replacement copy of the Sequence Listing in ComputerReadable Form (CRF), along with two (2) copies of Sequence Listings, "COPY 1 REPLACEMENT 5/19/2003" and COPY 2 REPLACEMENT 5/19/2003". The Sequence Listings contain the file named pa_00346.rpt which is 58,100,755 bytes in size and which was created on May 19, 2003.

The specification has also been amended to provide reference to the sequence listing provided herewith on compact disc (CD-ROM). Support for the sequence listing on CD-ROM is provided by the sequence listing in computer readable form (CRF) as originally filed. No new matter is entered by this amendment.

It is not believed that any extensions of time are required in conjunction with this filing. However, if extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor are hereby authorized to be charged to Deposit Account Number 13-4125, referencing docket number 38-21(51892)B. Applicants likewise authorize a charge to Deposit Account Number 13-4125 for any other fees related to the present application that are not otherwise provided for in the accompanying documents.

Respectfully submitted,



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Date: May 19, 2003

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Marked –Up Version Showing Changes to the specification

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This application contains a sequence listing, which is contained on three identical CD-ROMS: two copies of a sequence listing [(Copy 1 and Copy 2)] (COPY 1 AND COPY 2 REPLACEMENT COPIES) and a Replacement sequence listing in Computer Readable Form (CRF), all of which are herein incorporated by reference. All three CD-ROMs each contain one file called ["Pa_00346.rpt"] "pa_00346.rpt" which is [57,498,202] 58,100,755 – bytes in size and was created on [April 18, 2001] May 19, 2003.